

RECEIVED

MAR 18 2004

FISH & RICHARDSON, P.C.
SAN DIEGO

Attorney's Docket No. 06618-707001	Express Mail Label No.	Mailing Date March 12, 2004	For PTO Use Only <i>Do Not Mark in This Area</i>
Application No. 09/963,788	Filing Date September 25, 2001	Attorney/Secretary Init JVB/sxs	
Title of the Invention NANOPARTICLE-BASED SENSORS FOR DETECTING ANALYTES IN FLUIDS			
Applicant Michael S. Freund, et al.			
Client Reference No. CIT 3312			
Enclosures			
Information Disclosure Statement (2 pages)			
Form PTO-1449 (2 pages)			
Documents listed on the Form PTO-1449 (27 documents)			

O I P E
MAR 15 2004
PATENT & TRADEMARK OFFICE BY

Attorney's Docket No. 6618-707001/CIT 3312

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Michael S. Freund, et al. Art Unit: 1743
Serial No.: 09/963,788 Examiner: Yelena G. Gakh,
Filed : September 25, 2001 Ph.D.
Title : NANOPARTICLE-BASED SENSORS FOR DETECTING ANALYTES IN
FLUIDS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants call attention to the attached Information Disclosure Statement and documents listed on form PTO-1449.

This filing is being made before the receipt of a first Office action on the merits. No fee is required.

The documents are in the English language; hence no concise explanation is necessary per Rule 98(a)(3).

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed form PTO-1449 with the

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

MARCH 12, 2004
Date of Deposit
Susan S. Novack
Signature

SUSAN S. NOVACK
Typed or Printed Name of Person Signing Certificate

Page 2 of 2

Attorney's Docket No.:06618-707001

Examiner's initials in the left column per MPEP 609 are
earnestly solicited along with an early action on the merits.

Please apply any additional charges or credits to Deposit
Account No. 06-1050.

Respectfully submitted,

Date:

3/12/04

Scott C. Harris

Reg. No: 40,900

Reg. No. 32,030

for

Fish & Richardson P.C.
USPTO Customer No. 20985
12390 El Camino Real
San Diego, CA 92130
Telephone: (858) 678-5070
Facsimile: (858) 678-5099

10375533.doc

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06618-707001	Application No. 09/963,788
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Michael S. Freund, et al.	
		Filing Date September 25, 2001	Group Art Unit 1743

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
Y6	AA	3,927,930	Dec 23, 1975	Goldberg, et al.			
	AB	4,453,126	June 5, 1984	Volgyesi			
	AC	4,644,101	Feb 17, 1987	Jin, et al.			
	AD	4,737,112	Apr 12, 1988	Jin, et al.			
	AE	4,923,739	May 8, 1990	Jin, et al.			
	AF	4,980,541	Dec 25, 1990	Shafer, et al.			
	AG	5,104,210	Apr 14, 1992	Tokas, et al.			
	AH	5,298,783	Mar 29, 1994	Wu			
	AI	5,429,975	July 4, 1995	Sheu, et al.			
	AJ	5,451,920	Sept 19, 1995	Hoffheins, et al.			
	AK	5,512,882	April 30, 1996	Stetter, et al.			
	AL	5,571,401	Nov 5, 1996	Lewis, et al.			
	AM	5,677,662	Oct 14, 1997	Bresolin, et al.			
	AN	5,698,771	Dec 16, 1997	Shields, et al.			
	AO	5,742,223	April 21, 1998	Simendinger, et al.			
	AP	5,922,537	July 13, 1999	Ewart, et al.			
	AQ	5,942,674	Aug 24, 1999	Logothetis, et al.			
	AR	6,002,817	Dec 14, 1999	Kopelman, et al.			
	AS	6,202,471	Mar 20, 2001	Yadav, et al.			
	AT						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
Y6	AU	99/273557	June, 1999	WO				
	AV							
	AW							
	AX							

Examiner Signature

Melvin Hale

Date Considered

04/28/04

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

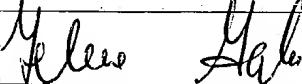
Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06618-707001	Application No. 09/963,788
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Michael S. Freund, et al.	
		Filing Date September 25, 2001	Group Art Unit 1743

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	No
	AY							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
YC	AZ	Longergan, et al., "Array-Based Vapor Sensing Using Chemically Sensitive, Carbon Black-Polymer Resistors", <u>Chem. Mater.</u> , Vol. 8, pp. 2298-2312, 1996
	AAA	Luedtke, et al., "Structure, Dynamics, and Thermodynamics of Passivated Gold Nanocrystallites and Their Assemblies", <u>The Journal of Physical Chemistry</u> , Vol. 100, No. 32, pp. 13323-13329, August 8, 1996
	ABB	Snow, et al., "Size-Induced Metal to Semiconductor Transition in a Stabilized Gold Cluster Ensemble", <u>Chemistry of Materials</u> , Vol. 10, No. 4, pp. 947-949, April, 1998
	ACC	Terrill, et al., "Monolayers in Three Dimensions: NMR, SAXS, Thermal, and Electron Hopping Studies of Alkanethiol Stabilized Gold Clusters", <u>J. Am. Chem. Soc.</u> , Vol. 117, pp. 12357-12548, 1995
	ADD	Wohltjen, et al., "Colloidal Metal-Insulator-Metal Ensemble Chemiresistor Sensor", <u>Analytical Chemistry</u> , Vol. 70, No. 14, pp. 2856-2859, 1998
	AEE	Zeiri, et al., "Studies of Silver Organosols: Preparation, Characterization, and Cyanide-Induced Aggregation", <u>J. Phys. Chem.</u> , Vol. 96, pp. 5908-5917, 1992
✓	AFF	Grate, et al., "Role of Selective Sorption in Chemiresistor Sensors for Organophosphorus Detection", <u>Analytical Chemistry</u> , Vol. 62, pp. 1927-1934, September, 1990

Examiner Signature		Date Considered	04/28/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

Attorney's Docket No.: 06618-707001
Client's Ref. No.: CIT 3312

FACSIMILE
FOR THE PERSONAL ATTENTION OF:
EXAMINER YELENA G. GAKH, PH.D.
U.S. PATENT AND TRADEMARK OFFICE (PATENT)

GROUP 1743 FAX NO: (571) 273-1257

Number of pages including this page **53**

Applicant : Michael S. Freund, et al.
Serial No. : 09/963,788
Filed : September 25, 2001

Art Unit : 1743
Examiner : YELENA G. GAKH, PH.D.

Title : NANOPARTICLE-BASED SENSORS FOR DETECTING ANALYTES IN
FLUIDS

FACSIMILE COMMUNICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Yelena:

As requested attached are the references for your review. After your review, please let us know the status of this matter. Thank you.

Joseph R. Baker
Fish & Richardson P.C.
12390 El Camino Real
San Diego, California 92130
Telephone: (858) 678-5070
Fax: (858) 678-5099

10390607.doc

NOTE: This facsimile is intended for the addressee only and may contain privileged or confidential information. If you have received this facsimile in error, please immediately call us collect at